

Aim:

Write a java program to demonstrate operator precedence and associativity

Source Code:**OperatorPrecedence.java**

```
import java.util.Scanner;
class OperatorPrecedence{
    public static void main(String args[]){
        int x, result;
        System.out.print("Enter a num: ");
        Scanner sc=new Scanner(System.in);
        x=sc.nextInt();
        result= x++ + x++ * --x / x++ - --x + 3 >> 1 | 2;
        System.out.println("The operation going is x++ + x++ * --x / x++ - --x + 3 >> 1 | 2");
        System.out.println("result = "+result);
    }
}
```

Execution Results - All test cases have succeeded!**Test Case - 1****User Output**

Enter a num: 4

The operation going is x++ + x++ * --x / x++ - --x + 3 >> 1 | 2

result = 3

Test Case - 2**User Output**

Enter a num: -3

The operation going is x++ + x++ * --x / x++ - --x + 3 >> 1 | 2

result = 2